## Author Index of Volume 126

Belsky, V., see Fish, J.	1- 16
Belsky, V., see Fish, J.	17- 37
Belytschko, T., see Lu, Y.Y.	131-153
Bochev, P.V. and Gunzburger, M.D., Least-squares methods for the velocity-	
pressure-stress formulation of the Stokes equations	267-287
Drazetic, P., see Level, P.	239-249
Fish, J. and Belsky, V., Multigrid method for periodic heterogeneous media. Part 1:	
Convergence studies for one-dimensional case	1- 16
Fish, J. and Belsky, V., Multi-grid method for periodic heterogeneous media. Part 2:	
Multiscale modeling and quality control in multidimensional case	17- 37
Govinda Rao, H.S., see Rathod, H.T.	373-392
Gunzburger, M.D., see Bochev, P.V.	267-287
Herakovich, C.T., see Lissenden, C.J.	289-303
Hulbert, G.M. and Jang, I., Automatic time step control algorithms for structural	
dynamics	155-178
Idesman, A.V. and Levitas, V.I., Finite element procedure for solving contact	
thermoelastoplastic problems at large strains, normal and high pressures	39- 66
Iliev, S.D., Iterative method for the shape of static drops	251-265
Jang, I., see Hulbert, G.M.	155-178
Karageorghis, A., A fully conforming spectral collocation scheme for second- and	
fourth-order problems	305-314
Knight, Jr. N.F., see Oakley, D.R.	67- 89
Knight, Jr. N.F., see Oakley, D.R.	91-109
Knight, Jr. N.F., see Oakley, D.R.	111-129
Level, P., Oudshoorn, A., Drazetic, P. and Moraux, D., Implementation of a modal	
reanalysis method in a finite element analysis context	239-249
Levitas, V.I., see Idesman, A.V.	39- 66
Lin, J., see Shen, W.	315-331
Lissenden, C.J. and Herakovich, C.T., Numerical modelling of damage development	
and viscoplasticity in metal matrix composites	289-303
Lu, MW., see Zhang, YG.	333-341
Lu, Y.Y., Belytschko, T. and Tabbara, M., Element-free Galerkin method for wave	
propagation and dynamic fracture	131-153
Moraux, D., see Level, P.	239-249
Noor, A.K., see Xu, K.	355-371
Oakley, D.R. and Knight, Jr, N.F., Adaptive Dynamic Relaxation algorithm for	
non-linear hyperelastic structures. Part I. Formulation	67- 89
Oakley, D.R. and Knight, Jr, N.F., Adaptive Dynamic Relaxation algorithm for	
non-linear hyperelastic structures. Part II. Single-processor implementation	91-109
Oakley, D.R., Knight, Jr, N.F. and Warner, D.D., Adaptive Dynamic Relaxation	
algorithm for non-linear hyperelastic structures. Part III. Parallel implementation	111-129
Oudshoorn, A., see Level, P.	239-249

Padovan, J., see Parris, J.	197-222
Padovan, J., see Parris, J.	223-237
Parris, J. and Padovan, J., Hierarchically partitioned solution strategy for CFD applications. Part I—Theory	197-222
Parris, J. and Padovan, J., Hierarchically partitioned solution strategy for CFD applications. Part II—Numerical applications	223-237
Piché, R., An L-stable Rosenbrock method for step-by-step time integration in structural dynamics	343-354
Rathod, H.T. and Govinda Rao, H.S., Integration of polynomials over linear polyhedra in Euclidean three-dimensional space	373-392
Shen, W., Lin, J. and Williams, F.W., Parallel computing for the high precision direct integration method	315-331
Tabbara, M., see Lu, Y.Y.	131-153
Tang, Y.Y., see Xu, K.	355-371
Warner, D.D., see Oakley, D.R.	111-129
Williams, F.W., see Shen, W.	315-331
Xu, K., Noor, A.K. and Tang, Y.Y., Three-dimensional solutions for coupled	
thermoelectroelastic response of multilayered plates	355-371
Zhang, YG. and Lu, MW., An algorithm for plastic limit analysis	333-341
Zhu, D., Some theoretical aspects in computational elasto-plasticity and their	
application	179-196

## Subject Index of Volume 126

Boundary element methods	
Iterative method for the shape of static drops, S.D. Iliev	251-265
Collocation method	
A fully conforming spectral collocation scheme for second- and fourth-order problems, A. Karageorghis	305-314
Coupled problems	
Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang	355-371
Dynamics	
Implementation of a modal reanalysis method in a finite element analysis context, P. Level, A. Oudshoorn, P. Drazetic and D. Moraux	239-249
Parallel computing for the high precision direct integration method, W. Shen, J. Lin and F.W. Williams  An L-stable Rosenbrock method for step-by-step time integration in structural	315-331
dynamics, R. Piché	343-354
Elasticity	
Three-dimensional solutions for coupled thermoelectroelastic response of multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang	355-371
Finite element and matrix methods	
Hierarchically partitioned solution strategy for CFD applications, J. Parris and J. Padovan	197-222
Hierarchically partitioned solution strategy for CFD applications, J. Parris and J. Padovan	223-237
Implementation of a modal reanalysis method in a finite element analysis context,	263-631
P. Level, A. Oudshoorn, P. Drazetic and D. Moraux	239-249
Least-squares methods for the velocity-pressure-stress formulation of the Stokes equations, P.V. Bochev and M.D. Gunzburger	267-287
Numerical modelling of damage development and viscoplasticity in metal matrix	201-201
composites, C.J. Lissenden and C.T. Herakovich	289-303
An algorithm for plastic limit analysis, YG. Zhang and MW. Lu	333-341
Fluid mechanics	
Hierarchically partitioned solution strategy for CFD applications, J. Parris and	105 000
J. Padovan  Hierarchically partitioned solution strategy for CFD applications, J. Parris and	197-222
J. Padovan	223-237

Fracture mechanics	
Element-free Galerkin method for wave propagation and dynamic fracture, Y.Y. Lu, T. Belytschko and M. Tabbara	131-153
Numerical modelling of damage development and viscoplasticity in metal matrix	151 155
composites, C.J. Lissenden and C.T. Herakovich	289-303
Kinematics	
Integration of polynomials over linear polyhedra in Euclidean three-dimensional space, H.T. Rathod and H.S. Govinda Rao	373-392
Limit solutions	
An algorithm for plastic limit analysis, YG. Zhang and MW. Lu	333-341
Nonlinear mechanics	
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures,	
D.R. Oakley and N.F. Knight, Jr.	67- 89
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures, D.R. Oakley and N.F. Knight, Jr.	91-109
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures,	91-109
D.R. Oakley, N.F. Knight, Jr. and D.D. Warner	111-129
Numerical modelling of damage development and viscoplasticity in metal matrix	
composites, C.J. Lissenden and C.T. Herakovich	289-303
Numerical solution procedures	
Multigrid method for periodic heterogeneous media, J. Fish and V. Belsky	1- 16
Multi-grid method for periodic heterogeneous media, J. Fish and V. Belsky	17- 37
Element-free Galerkin method for wave propagation and dynamic fracture, Y.Y. Lu, T. Belytschko and M. Tabbara	131-153
Implementation of a modal reanalysis method in a finite element analysis context,	
P. Level, A. Oudshoorn, P. Drazetic and D. Moraux	239-249
Iterative method for the shape of static drops, S.D. Iliev  A fully conforming spectral collocation scheme for second- and fourth-order	251–265
problems, A. Karageorghis	305-314
An algorithm for plastic limit analysis, YG. Zhang and MW. Lu	333-341
An L-stable Rosenbrock method for step-by-step time integration in structural	
dynamics, R. Piché	343-354
Integration of polynomials over linear polyhedra in Euclidean three-dimensional	
space, H.T. Rathod and H.S. Govinda Rao	373–392
Optimization and design of structures	
Integration of polynomials over linear polyhedra in Euclidean three-dimensional space, H.T. Rathod and H.S. Govinda Rao	373-392
Plasticity	
Finite element procedure for solving contact thermoelastoplastic problems at large	
strains, normal and high pressures, A.V. Idesman and V.I. Levitas	39- 66
Some theoretical aspects in computational elasto-plasticity and their application,	.=
D. Zhu	179-196
An algorithm for plastic limit analysis, YG. Zhang and MW. Lu	333–341
Shells and plates Three dimensional colutions for coupled the modern colutions of	
Three-dimensional solutions for coupled thermoelectroelastic response of	255 271

Solutions of ordinary and partial differential equations	
A fully conforming spectral collocation scheme for second- and fourth-order problems, A. Karageorghis	305-314
Stability in fluid mechanics	
Iterative method for the shape of static drops, S.D. Iliev	251-265
Structural mechanics	
Multigrid method for periodic heterogeneous media, J. Fish and V. Belsky	1- 16
Multi-grid method for periodic heterogeneous media, J. Fish and V. Belsky	17- 37
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures,	
D.R. Oakley and N.F. Knight, Jr.	67- 89
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures,	
D.R. Oakley and N.F. Knight, Jr.	91-109
Adaptive Dynamic Relaxation algorithm for non-linear hyperelastic structures,	
D.R. Oakley, N.F. Knight, Jr. and D.D. Warner	111-129
Automatic time step control algorithms for structural dynamics, G.M. Hulbert and	
I. Jang	155-178
Implementation of a modal reanalysis method in a finite element analysis context,	100 110
P. Level, A. Oudshoorn, P. Drazetic and D. Moraux	239-249
Three-dimensional solutions for coupled thermoelectroelastic response of	20, 21,
multilayered plates, K. Xu, A.K. Noor and Y.Y. Tang	355-371
Subsonic flow	
Least-squares methods for the velocity-pressure-stress formulation of the Stokes	
equations, P.V. Bochev and M.D. Gunzburger	267-287
Viscoelastic and viscoplastic media	
Numerical modelling of damage development and viscoplasticity in metal matrix composites, C.J. Lissenden and C.T. Herakovich	289-303
Wave motion	
Element-free Galerkin method for wave propagation and dynamic fracture, Y.Y. Lu,	
T. Belytschko and M. Tabbara	131-153